

NRWWTP EMS OBJECTIVES AND TARGETS

2019 Targets and Objectives									
Goal	Objective	Target	Actions	Responsible Party	Strategic Plan Focus	Significant Impact	Status	Method of Measure	Comments
1. Improve communication with interested parties and stakeholders	Increase public awareness of new product resulting from bioenergy project	Plan and host a field day for staff, customers, and contractors for the THP product by June 30, 2019	1. Approval form DWR 2. Develop Field day agenda 3. Receive feedback from field day	Non-Discharge Superintendent	Stakeholder Outreach	Soil & Water Pollution		Successfully host field day	
	Improve citizens' perception of nuisance odors	Improve Barwell Road odor treatment capabilities and community communications by December 31, 2019	1. Identify odor impact and determine appropriate technology and design odor treatment project 2. Attend SECAC meetings on a quarterly basis to address citizen concerns and advise of COR odor mitigation activities	Plants Maintenance Superintendent	Stakeholder Outreach	Nuisance		Reduction of measurable odor compounds	
	Increase IP Program interaction and integration with Development Services, Code Enforcement, and CIP	Develop a training and awareness presentation on the IP Program and present to at least 2 internal stakeholders by December 31, 2019	1. Develop training and awareness presentation that describes the pretreatment program overall and how it can interact with internal stakeholders 2. Identify internal stakeholders and how best to meet and deliver training 3. Schedule trainings and present material	Pretreatment Coordinator	Stakeholder Outreach	Soil & Water Pollution		Creation of presentation; presentations delivered to stakeholders	Potential internal stakeholders: WW Maintenance, Sewer Maintenance, Code Enforcement, Development Services Plan Review, CIP, CIP/Plumbing Inspections
	Eliminate potential pollutant sources on NRRRF plant site	Remove 2 of 3 (66%) of unused caustic tanks by December 31, 2018	Identify and schedule tanks to be removed	Plants Maintenance Superintendent	Environmental Stewardship	Soil & Water Pollution		Contract with Vendor (CIP)	Potential carry-over from 2018
2. Improve environmental performance	Reduce energy intensity	Implement RRF Energy Intensity Reduction Plan with goal of reducing energy intensity by 5% compared to 2014-2017 baseline	1. Continue to track total electricity usage in kW on a quarterly basis. 2. Track unit energy intensity usage (kw/mgd and kw/lb BOD and lb TKN removed) on quarterly basis. 3. Energy Team to assist with implementation of reduction strategies identified in plan 4. Energy Team to meet every other month to assess effectiveness of reduction strategies	Energy Team	Environmental Stewardship	Energy		Completion of Energy Assessment Report; Energy Usage tracking	
	Improve control and management of potential pollution sources from Rolesville STEPS	Implement a program of proactive residential STEP pump out of 525 STEPS to minimize the risk of tank overflow due to solids overload and pumping failures. This includes advertising an RFP by May 2019 , completing bid award by August 2019 , completing contract by October 2019 , and assigning triennial residential pump outs to pumpers by November 2019 .	Investigate methods to remove residential tank solids on a regular preventive basis: 1. Determine if program can be handled in-house with existing resources, requires additional in-house resources or should be contracted out. 2. Set up a program and schedule of proactive pump outs. 3. Communicate to residents affected. 4. Execute program.	Plants Maintenance Superintendent	Environmental Stewardship	Soil & Water Pollution		Reduction in STEP call back of mechanics to resolve overflowing tanks &/or clogged pumps as measured by KPI.	
3. Beneficial reuse of products (biosolids and reclaimed water)	Optimize nutrient deferment	Design on-site irrigation system expansion by December 31, 2019	Select engineering firm through on-call contract. Develop scope and design system.	Environmental Coordinator	Environmental Stewardship	Improved Water Quality		Completed irrigation system design	
4. Continue to maintain and improve regulatory compliance	Implement measurable process control KPIs	Develop, adopt, and track process control KPIs by December 31, 2019 to better forecast trends and optimize treatment plants	1. Develop activated sludge process parameters for LC & SC 2. Implement clarifier optimization program/NH3 load control at NRRRF 3. Develop process control specs for parameters 4. Explore SRT control for operating plants 5. Develop performance KPIs 6. Implement carbon feed improvements at NRRRF	Plant Operations Superintendent	Operational Optimization	Energy		Implementation of KPIs	
	Maintain 100% regulatory compliance /certifications for all Resource Recovery Division facilities (NPDES, Reuse, Biosolids, Stormwater)	Obtain 100% compliance in 2019	Track compliance data on a daily and monthly basis.	Permittee/ORCs	Operational Optimization	Soil & Water Pollution		DMRs/NDMRs	